

to his conclusions; and perhaps has been too much inclined to form a low estimate of the characters of the *Eolidina**, thus making them correspond more nearly with their new allies. Some of the statements that we have now attempted to controvert are of this nature; and M. de Quatrefages is also inclined to disallow the existence of a heart and blood-vessels in *Zephyrina*, in which we suspect he is equally mistaken. ✓

BIBLIOGRAPHICAL NOTICES.

Annales des Sciences Naturelles.

February 1844.—*Zoology*.—Considerations on some principles relating to the natural classification of animals, and especially on the methodical arrangement of the Mammalia, by M. Milne Edwards. A very important and highly philosophical essay, embodying the distinguished author's ideas on zoological classification, the publication of which has been suggested by the paper of Mr. Waterhouse in the 79th Number of the 'Annals of Natural History.'—On some fossil Fish-teeth found in the neighbourhood of Staoulli, in the province of Algeria, by M. Valenciennes. The formation in which these teeth were found is tertiary (miocene?): they belong to three species of *Sargus*, a *Chrysophrys* and an *Oxyrhina*, and are all extinct forms.—On the *Trypanosoma sanguinis*, a new species of *Hematozoon*, by M. Gruby †. This supposed animal (on the *individual* nature of which a doubt is thrown by M. Milne Edwards) was found circulating in the blood of frogs in spring and summer. Its body is long, flattened, transparent and twisted. The cephalic extremity is terminated by slender elongated filaments, and its caudal end terminates also in pointed filaments. It moves rapidly in a screw-like fashion.—A translation of Mr. Harry Goodsir's important paper on the Reproduction of Cirripeda.—A translation of an abstract of Dr. Carpenter's paper on the Microscopic Structure of Shells.—Researches on Osteogenesis, by Dr. Lebert.

Botany.—Continuation of the monograph of the *Nidulariæ*, by MM. L. and C. Tulasne (with admirable plates).—Observations on the genus *Aponogeton*, and on its natural affinities, by M. E. E. Planchon. The author proposes to place *Aponogeton* either among the *Alismaceæ*, as the type of a suborder intermediate between the *Alismaceæ* proper and the *Juncagineæ*, or to consider it as the type of a new family of *Aponogetaceæ*, characterized by the absence of a perianth, by the ovaries being distinct and definite in number, by its few anatropous ovules attached to the base of the cell, and above all

* We use this word here, as employed by Mr. MacGillivray, to designate the subfamily of which *Eolis* is the type. *Eolidina* had previously been employed in this enlarged sense, of which fact M. de Quatrefages does not appear to be aware.

† See Annals, vol. xiii. p. 158.

by the free gemmule, of which the primordial leaves sheath only at the base. Embryological figures illustrate the paper.—Boissier, *Plantæ Aucherianæ (Umbelliferae)*.

Giornale Botanico Italiano.

A new botanical journal, which promises to be a valuable addition to our sources of information, has been established in Italy by the Botanical Section of the Scientific Congress; Prof. Parlatore of Florence having undertaken the editorship, under the direction of a committee of the botanists resident in Tuscany.

It is divided into three portions, under the separate titles of 'Original Memoirs,' 'Botanical Literature,' and 'Botanical Intelligence,' each part being separately paged.

The first two numbers contain: preface, plan of the work, collaborators.—*Original memoirs*: Meneghini on Gaudichaud's theory of the merithallus; Savi on some Microscopic organs of Plants, especially of *Chrysanthema*; Parlatore on the spirit of the last and present centuries in regard to natural science; Parlatore, Monograph of the *Fumarias*; Meneghini and Savi on the appendages of *Acacia cornigera*; Savi, Morphological considerations on the leaf of *Arduina bispinosa*; Puccinelli, *Additamentum ad Synopsis plantarum in agro Lucensi sponte nascentium*.

Literature: Gussone, *Floræ Siculæ Synopsis*, 1842; Todaro, *Orchideæ Siculæ*, 1842; Puccinelli, *Synopsis plantarum in agro Lucensi sponte nascentium*, 1842; Tarsi, on the Irritability of the Pollen vessels of some plants.

Miscellanea: Parlatore, Intelligence respecting the Italian central Herbarium at Florence, and the consignments received there; on the Italian meteorological Archiv; various short notices and intelligence.

BOOKS RECEIVED.

The Medals of Creation, or First Lessons in Geology and in the Study of Organic Remains. By Dr. G. A. Mantell.

Essays on Natural History, chiefly Ornithology. By C. Waterton, Esq.

A History of British Ferns. By Edward Newman. Second edition.

Elements of Comparative Anatomy. By Rudolph Wagner, M.D.; edited by Alfred Tulk. Part I. *Mammalia*; Part II. *Birds*.

PROCEEDINGS OF LEARNED SOCIETIES.

ZOOLOGICAL SOCIETY.

Dec. 12, 1843.—William Yarrell, Esq., V.P., in the Chair.

"Descriptions of new species of *Navicella*, *Neritina*, *Nerita*, and *Natica*, in the cabinet of H. Cuming, Esq.," by C. A. Récluz.

NAVICELLA, Lamarck.

1. NAVICELLA COOKII. *Nav. testâ ellipticâ, anticè angustatâ,*